

10/501,777 LLM  
7/19/2007

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	96	((human adj growth adj hormone) or HGH or TIMP or TPA or ((tissue adj inhibitor) near3 metalloproteinase)) same (sialylated or sialyl or sialylation or glycosylate or glycolsylated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:22
L2	93	((human adj growth adj hormone) or HGH or TIMP or TPA or ((tissue adj inhibitor) near3 metalloproteinase)) same (sialylated or sialyl or sialylation )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:22
L3	53	((human adj growth adj hormone) or HGH or TIMP or TPA or ((tissue adj inhibitor) near3 metalloproteinase)) with(sialylated or sialyl or sialylation )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:22
L4	53	((human adj growth adj hormone) or HGH or TIMP or TPA or ((tissue adj inhibitor) near3 metalloproteinase)) with (sialylated or sialyl or sialylation )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:42
L5	15	L4 and @ad<="20020117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:44
L6	4	((human adj growth adj hormone) or HGH or TIMP or ((tissue adj inhibitor) near3 metalloproteinase)) with (sialylated or sialyl or sialylation )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:43
L7	57	((human adj growth adj hormone) or HGH or TIMP or ((tissue adj inhibitor) near3 metalloproteinase)) same(sialylated or sialyl or sialylation )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:44
L8	61	((human adj growth adj hormone) or HGH or TIMP or ((tissue adj inhibitor) near3 metalloproteinase)) same(sialylated or sialyl or sialylation or sialo)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:44
L9	8	((human adj growth adj hormone) or HGH or TIMP or ((tissue adj inhibitor) near3 metalloproteinase)) with(sialylated or sialyl or sialylation or sialo)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:44

## EAST Search History

L10	3	L9 and @ad<="20020117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 11:44
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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10630	(epo or erythropoietin) and (DHFR or (dihydrofolate adj reductase) or (adenosine adj deaminase) or (asparagine adj synthetase) or (aspartate adj transcarbamylase) or (metallothionein-1) or (ornithine adj decarboxylase) or P-glycoprotein or (ribonucleotide adj reductase) or (thymidine adj kinase) or (xanthine-guanine adj phosphoribosyl adj transferase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:25
L2	1197	L1 and (((glutamine-auxotrophic or (glutamine adj auxotrophic)) adj cell) and human) or HT1080 or HL60 or b-lymphoblastoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:27
L3	1197	L1 and (((glutamine-auxotrophic or (glutamine adj auxotrophic)) adj cell) near6 human) or HT1080 or HL60 or b-lymphoblastoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:27
L4	1197	L1 and (((glutamine-auxotrophic or glutamine-auxotroph or (glutamine adj auxotrophic) or (glutamine adj auxotroph)) adj cell) near6 human) or HT1080 or HL60 or b-lymphoblastoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:28
L5	7303	L4 and ((glutamine adj (synthetase or synthase) adj selection) or (GS adj selection) or glutamine-synthetase or glutamine-synthase) or (glutamine adj (synthetase or synthase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:28
L6	481	L4 and ((glutamine adj (synthetase or synthase) adj selection) or (GS adj selection) or glutamine-synthetase or glutamine-synthase or (glutamine adj (synthetase or synthase)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:29
L7	201	L6 and @ad<="20020117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:30

## EAST Search History

L8	6	L4 and (exogenous same((glutamine adj (synthetase or synthase) adj selection) or glutamine-synthetase or glutamine-synthase or (glutamine adj (synthetase or synthase))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:30
L9	18	L1 and (exogenous same((glutamine adj (synthetase or synthase) adj selection) or glutamine-synthetase or glutamine-synthase or (glutamine adj (synthetase or synthase))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:30
L10	6	L9 and @ad<="20020117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:30
L11	3	L10 and (((glutamine-auxotrophic or glutamine-auxotroph or (glutamine adj auxotrophic) or (glutamine adj auxotroph)) adj cell) near6 human) or HT1080 or HL60 or b-lymphoblastoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:31
L12	2542	(( HT1080 or (human adj fibrosarcoma ) or (glutamine-auxotrophic) or (glutamine adj auxotrophic) or (glutamine-auxotroph) or (glutamine adj auxotroph) or (glutamine adj auxotrophic) or (glutamine adj independent) or (R223 or CCL121 or HT1080-R223 OR ACC-315)) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:31
L13	1245	L12 and @ad<="20020117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:33
L14	10	L12 and (exogenous same (glutamine-synthetase or (glutamine adj synthetase)or glutamine-synthase or (glutamine adj synthase)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:32
L15	307	L12 and (glutamine-synthetase or (glutamine adj synthetase)or glutamine-synthase or (glutamine adj synthase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:32

## EAST Search History

L16	5	L14 and ((glutamine-free or (glutamine adj free)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:32
L17	1	L16 and @ad<="20020117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/19 14:33

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Set	Items	Description
S1	429	S (EPO OR ERYTHROPOIETIN) AND (DHFR OR (DIHYDROFOLATE (W) REDUCTASE) OR (ADENOSINE (W) DEAMINASE) OR (ASPARAGINE (W) SYNTHETASE) OR (ASPARTATE (W) TRANSCARBAMYLASE) OR (METALLOTHIONEIN-1) OR (ORNITHINE (W) DECARBOXYLASE) OR P-GLYCOPROTEIN OR (RIBONUCLEOTIDE (W) REDUCTASE) OR (THYMIDINE (W) KINASE) OR (XANTHINE-GUANINE (W) PHOSPHORIBOSYL (W) TRANSFERASE))
S2	0	S S1 AND (((GLUTAMINE-AUXOTROPHIC OR GLUTAMINE-AUXOTROPH OR (GLUTAMINE (W) AUXOTROPHIC) OR (GLUTAMINE (W) AUXOTROPH)) (W) CELL) (6N) HUMAN) OR HT1080 OR HL60 OR B-LYMPHOBLASTOID)
S3	36722	S S1 AND ((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS (W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE) OR (GLUTAMINE (W) (SYNTHETASE OR SYNTHASE))
S4	7	S S1 AND ((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS (W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR (GLUTAMINE (W) (SYNTHETASE OR SYNTHASE)))
S5	7	RD (unique items)
S6	0	S S5 AND (EXOGENOUS (S) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS (W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR (GLUTAMINE (W) (SYNTHETASE OR SYNTHASE))))
S7	0	S S1 AND (EXOGENOUS (S) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS (W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR (GLUTAMINE (W) (SYNTHETASE OR SYNTHASE))))
S8	8230	S (( HT1080 OR (HUMAN (W) FIBROSARCOMA ) OR (GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE (W) AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPHIC) OR (GLUTAMINE (W) INDEPENDENT) OR (R223 OR CCL121 OR HT1080-R223 OR ACC-315)) )
S9	3	S S8 AND (EXOGENOUS (S) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS (W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR (GLUTAMINE (W) (SYNTHETASE OR SYNTHASE))))
S10	3	RD (unique items)

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[File 357] **Derwent Biotech Res.** 1982-2007/Jul W1  
(c) 2007 The Thomson Corp. All rights reserved.

[File 369] **New Scientist** 1994-2007/Jul W2  
(c) 2007 Reed Business Information Ltd. All rights reserved.

[File 370] **Science** 1996-1999/Jul W3  
(c) 1999 AAAS. All rights reserved.  
*\*File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 391] **Beilstein Database - Reactions** 2007/Q1  
(c) 2007 Beilstein GmbH. All rights reserved.

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec  
(c) 2006 The Thomson Corp. All rights reserved.

[File 467] **ExtraMED(tm)** 2000/Dec  
(c) 2001 Informania Ltd. All rights reserved.

? s (epo or erythropoietin) and (DHFR or (dihydrofolate (w) reductase) or (adenosine (w) deaminase) or (asparagine (w) synthetase) or (aspartate (w) transcarbamylase) or (metallothionein-1) or (ornithine (w) decarboxylase) or P-glycoprotein or (ribonucleotide (w) reductase) or (thymidine (w) kinase) or (xanthine-guanine (w) phosphoribosyl (w) transferase))

Processing

33364	EPO
113252	ERYTHROPOIETIN
15012	DHFR
36973	DIHYDROFOLATE
471390	REDUCTASE
35266	DIHYDROFOLATE (W) REDUCTASE
694050	ADENOSINE
68051	DEAMINASE
37704	ADENOSINE (W) DEAMINASE
70816	ASPARAGINE
209039	SYNTHETASE
2577	ASPARAGINE (W) SYNTHETASE
336883	ASPARTATE
9765	TRANSCARBAMYLASE
3317	ASPARTATE (W) TRANSCARBAMYLASE
186	METALLOTHIONEIN-1
96158	ORNITHINE
152753	DECARBOXYLASE
47331	ORNITHINE (W) DECARBOXYLASE
29949	P-GLYCOPROTEIN
34711	RIBONUCLEOTIDE
471390	REDUCTASE
21000	RIBONUCLEOTIDE (W) REDUCTASE
288140	THYMIDINE
1719280	KINASE
52548	THYMIDINE (W) KINASE
12	XANTHINE-GUANINE

13110 PHOSPHORIBOSYL  
379834 TRANSFERASE  
0 XANTHINE-GUANINE (W) PHOSPHORIBOSYL (W) TRANSFERASE  
S1 429 S (EPO OR ERYTHROPOIETIN) AND (DHFR OR (DIHYDROFOLATE (W) REDUCTASE) OR  
(ADENOSINE (W) DEAMINASE) OR (ASPARAGINE (W) SYNTHETASE) OR (ASPARTATE (W)  
TRANSCARBAMYLASE) OR (METALLOTHIONEIN-1) OR (ORNITHINE (W) DECARBOXYLASE) OR  
P-GLYCOPROTEIN OR (RIBONUCLEOTIDE (W) REDUCTASE) OR (THYMIDINE (W) KINASE) OR  
(XANTHINE-GUANINE (W) PHOSPHORIBOSYL (W) TRANSFERASE))

? s s1 and (((glutamine-auxotrophic or glutamine-auxotroph or (glutamine (w)  
auxotrophic) or (glutamine (w) auxotroph)) (w) cell) (6n) human) or HT1080 or HL60 or  
b-lymphoblastoid)  
Processing  
429 S1  
0 GLUTAMINE-AUXOTROPHIC  
0 GLUTAMINE-AUXOTROPH  
177279 GLUTAMINE  
14630 AUXOTROPHIC  
32 GLUTAMINE (W) AUXOTROPHIC  
177279 GLUTAMINE  
6638 AUXOTROPH  
88 GLUTAMINE (W) AUXOTROPH  
14833646 CELL  
24822391 HUMAN  
0 (((GLUTAMINE-AUXOTROPHIC OR GLUTAMINE-AUXOTROPH) OR  
GLUTAMINE (W) AUXOTROPHIC) OR GLUTAMINE (W) AUXOTROPH) (W) CELL (6N) HUMAN  
5634 HT1080  
18847 HL60  
315 B-LYMPHOBLASTOID  
S2 0 S S1 AND (((GLUTAMINE-AUXOTROPHIC OR GLUTAMINE-AUXOTROPH OR (GLUTAMINE  
(W) AUXOTROPHIC) OR (GLUTAMINE (W) AUXOTROPH)) (W) CELL) (6N) HUMAN) OR HT1080 OR HL60 OR  
B-LYMPHOBLASTOID)

? s s1 and ((glutamine (W) (synthetase or synthase) (W) selection) or (GS (W) selection)  
or glutamine-synthetase or glutamine-synthase) or (glutamine (W) (synthetase or synthase))  
Processing  
429 S1  
177279 GLUTAMINE  
209039 SYNTHETASE  
693630 SYNTHASE  
1595983 SELECTION  
29 GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION  
57171 GS  
1595983 SELECTION  
31 GS (W) SELECTION  
3532 GLUTAMINE-SYNTHETASE  
13 GLUTAMINE-SYNTHASE  
177279 GLUTAMINE  
209039 SYNTHETASE  
693630 SYNTHASE  
36722 GLUTAMINE (W) (SYNTHETASE OR SYNTHASE)  
S3 36722 S S1 AND ((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS (W)  
SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE) OR (GLUTAMINE (W) (SYNTHETASE OR  
SYNTHASE))

? s s1 and ((glutamine (W) (synthetase or synthase) (W) selection) or (GS (W) selection)  
or glutamine-synthetase or glutamine-synthase or (glutamine (W) (synthetase or synthase)))  
429 S1  
177279 GLUTAMINE  
209039 SYNTHETASE  
693630 SYNTHASE



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1595983  SELECTION
      29  GLUTAMINE(W) (SYNTHETASE OR SYNTHASE) (W) SELECTION
      57171 GS
1595983  SELECTION
      31  GS(W) SELECTION
      3532 GLUTAMINE-SYNTHETASE
      13  GLUTAMINE-SYNTHASE
      177279 GLUTAMINE
      209039 SYNTHETASE
      693630 SYNTHASE
      36722 GLUTAMINE(W) (SYNTHETASE OR SYNTHASE)
S4      7  S S1 AND ((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS
(W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR (GLUTAMINE (W) (SYNTHETASE
OR SYNTHASE)))

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? rd

>>>W: Duplicate detection is not supported for File 391.  
Records from unsupported files will be retained in the RD set.  
S5 7 RD (UNIQUE ITEMS)

? s s5 and (exogenous (s) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS  
(W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR (GLUTAMINE (W) (SYNTHETASE  
OR SYNTHASE))))

>>>W: Unmatched parentheses

>>>E: There is no result

?  
? s s5 and (exogenous (s) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS  
(W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR (GLUTAMINE (W) (SYNTHETASE  
OR SYNTHASE))))

```

      7  S5
      464506 EXOGENOUS
      177279 GLUTAMINE
      209039 SYNTHETASE
      693630 SYNTHASE
1595983  SELECTION
      29  GLUTAMINE(W) (SYNTHETASE OR SYNTHASE) (W) SELECTION
      57171 GS
1595983  SELECTION
      31  GS(W) SELECTION
      3532 GLUTAMINE-SYNTHETASE
      13  GLUTAMINE-SYNTHASE
      177279 GLUTAMINE
      209039 SYNTHETASE
      693630 SYNTHASE
      36722 GLUTAMINE(W) (SYNTHETASE OR SYNTHASE)
      572  EXOGENOUS(S) (((GLUTAMINE(W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR
GS(W) SELECTION) OR GLUTAMINE-SYNTHETASE) OR GLUTAMINE-SYNTHASE)...
S6      0  S S5 AND (EXOGENOUS (S) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W)
SELECTION) OR (GS (W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR
(GLUTAMINE (W) (SYNTHETASE OR SYNTHASE))))

```

? s s1 and (exogenous (s) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS  
(W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR (GLUTAMINE (W) (SYNTHETASE  
OR SYNTHASE))))

Processing

Processing

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      429  S1
      464506 EXOGENOUS
      177279 GLUTAMINE
      209039 SYNTHETASE

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693630 SYNTHASE
1595983 SELECTION
29 GLUTAMINE(W) (SYNTHETASE OR SYNTHASE) (W) SELECTION
57171 GS
1595983 SELECTION
31 GS (W) SELECTION
3532 GLUTAMINE-SYNTHETASE
13 GLUTAMINE-SYNTHASE
177279 GLUTAMINE
209039 SYNTHETASE
693630 SYNTHASE
36722 GLUTAMINE(W) (SYNTHETASE OR SYNTHASE)
572 EXOGENOUS(S) (((GLUTAMINE(W) (SYNTHETASE OR SYNTHASE) (W) SELECTION OR
GS(W) SELECTION) OR GLUTAMINE-SYNTHETASE) OR GLUTAMINE-SYNTHASE)...
S7 0 S S1 AND (EXOGENOUS (S) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W)
SELECTION) OR (GS (W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR
(GLUTAMINE (W) (SYNTHETASE OR SYNTHASE))))))

? s (( HT1080 or (human (w) fibrosarcoma ) or (glutamine-auxotrophic) or (glutamine
(w)auxotrophic) or (glutamine-auxotroph) or (glutamine (w) auxotroph) or (glutamine (w)
auxotrophic) or (glutamine (w) independent) or (R223 or CCL121 or HT1080-R223 OR ACC-315))
)
Processing
Processing
Processing
>>>W: "R223" does not exist
5634 HT1080
24822391 HUMAN
45415 FIBROSARCOMA
4646 HUMAN(W) FIBROSARCOMA
0 GLUTAMINE-AUXOTROPHIC
177279 GLUTAMINE
14620 AUXOTROPHIC
32 GLUTAMINE(W) AUXOTROPHIC
0 GLUTAMINE-AUXOTROPH
177279 GLUTAMINE
6638 AUXOTROPH
38 GLUTAMINE(W) AUXOTROPH
177279 GLUTAMINE
14630 AUXOTROPHIC
32 GLUTAMINE(W) AUXOTROPHIC
177279 GLUTAMINE
2266332 INDEPENDENT
75 GLUTAMINE(W) INDEPENDENT
0 R223
5 CCL121
0 HT1080-R223
0 ACC-315
S8 8230 S (( HT1080 OR (HUMAN (W) FIBROSARCOMA ) OR (GLUTAMINE-AUXOTROPHIC) OR
(GLUTAMINE (W) AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR
(GLUTAMINE (W) AUXOTROPHIC) OR (GLUTAMINE (W) INDEPENDENT) OR (R223 OR CCL121 OR
HT1080-R223 OR ACC-315)) )

? S S8 AND (EXOGENOUS (S) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION) OR (GS
(W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR (GLUTAMINE (W) (SYNTHETASE
OR SYNTHASE))))))
Processing
8230 S8
464506 EXOGENOUS
177279 GLUTAMINE
209039 SYNTHETASE

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693630 SYNTHASE  
 1595983 SELECTION  
 29 GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION  
 57171 GS  
 1595983 SELECTION  
 31 GS (W) SELECTION  
 3532 GLUTAMINE-SYNTHETASE  
 13 GLUTAMINE-SYNTHASE  
 177279 GLUTAMINE  
 209039 SYNTHETASE  
 693630 SYNTHASE  
 36722 GLUTAMINE (W) (SYNTHETASE OR SYNTHASE)  
 572 EXOGENOUS (S) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W) SELECTION OR  
 GS (W) SELECTION) OR GLUTAMINE-SYNTHETASE) OR GLUTAMINE-SYNTHASE)...  
 S9 3 S S8 AND (EXOGENOUS (S) (((GLUTAMINE (W) (SYNTHETASE OR SYNTHASE) (W)  
 SELECTION) OR (GS (W) SELECTION) OR GLUTAMINE-SYNTHETASE OR GLUTAMINE-SYNTHASE OR  
 (GLUTAMINE (W) (SYNTHETASE OR SYNTHASE)))))

? rd

>>>W: Duplicate detection is not supported for File 391.  
 Records from unsupported files will be retained in the RD set.  
 S10 3 RD (UNIQUE ITEMS)

? t s10/medium/all

10/3/1 (Item 1 from file: 5) [Links](#)

Fulltext available through: [custom link](#) [USPTO Full Text Retrieval Options](#)

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07339960 Biosis No.: 198478075367

# **VARIANTS INDUCIBLE FOR GLUTAMINE SYNTHETASE IN V-79-56 CELLS**

**Author:** HARRIS M (Reprint)

**Author Address:** DEP ZOOL, UNIV CALIF, BERKELEY, CALIF 94720, USA\*\*USA

**Journal:** Somatic Cell and Molecular Genetics 10 ( 3 ); p 275-282 1984

**ISSN:** 0740-7750

**Document Type:** Article

**Record Type:** Abstract

**Language:** ENGLISH

10/3/2 (Item 1 from file: 155) Links

Fulltext available through: custom link USPTO Full Text Retrieval Options  
MEDLINE(R)

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06405533 PMID: 6202010

**Variants inducible for glutamine synthetase in V79-56 cells.**

Harris M

Somatic cell and molecular genetics ( UNITED STATES ) May 1984 , 10 (3) p275-81 , ISSN: 0740-7750--Print

**Journal Code:** 8403568

**Contract/Grant No.:** CA 12130; CA; NCI

Publishing Model Print

**Document type:** Journal Article; Research Support, U.S. Gov't, P.H.S.

**Languages:** ENGLISH

**Main Citation Owner:** NLM

**Record type:** MEDLINE; Completed

10/3/3 (Item 1 from file: 357) [Links](#)

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Derwent Biotech Res.

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0370220 DBA Accession No.: 2005-15926 PATENT

**New transfected glutamine-auxotrophic human cells capable of growing in a glutamine-free medium, useful for producing proteins that may be utilized in e.g. therapeutic or diagnostic applications glutamine gene transfer and expression in human cell for recombinant protein production and disease therapy and diagnosis**

**Author:** BIRCH J R; BORASTON R C; SHAW M

**Patent Assignee:** BIRCH J R; BORASTON R C; SHAW M 2005

**Patent Number:** US 20050084928 **Patent Date:** 20050421 **WPI Accession No.:** 2005-321971 ( 200533 )

**Priority Application Number:** EP 200227189 **Application Date:** 20021205

**National Application Number:** US 501777 **Application Date:** 20040719

**Language:** English